

Title (en)

ELECTROCHEMICAL CELL WITH THREE-DIMENSIONAL ELECTRODE STRUCTURE

Title (de)

ELEKTROCHEMISCHE ZELLE MIT DREIDIMENSIONALER ELEKTRODENSTRUKTUR

Title (fr)

CELLULE ELECTROCHIMIQUE A STRUCTURE D'ELECTRODE TRIDIMENSIONNELLE

Publication

**EP 4078714 A1 20221026 (FR)**

Application

**EP 20824934 A 20201215**

Priority

- FR 1914688 A 20191217
- EP 2020086234 W 20201215

Abstract (en)

[origin: WO2021122606A1] The present invention relates to an electric electrochemical cell (10), characterized in that it comprises a casing (12) that comprises a vessel (14), the internal surface of which is at least partially covered by a layer (15) of copper so as to form a current collector for the negative electrode (60) and an upper cover (18), which houses a three-dimensional positive electrode (+) structure and which contains a solid electrolyte, and in that the three-dimensional positive electrode structure comprises a series of positive electrodes (50), each of which is a vertical bar (50).

IPC 8 full level

**H01M 4/02** (2006.01); **H01M 4/04** (2006.01); **H01M 10/0562** (2010.01); **H01M 10/0565** (2010.01); **H01M 50/116** (2021.01); **H01M 50/124** (2021.01); **H01M 50/155** (2021.01); **H01M 50/267** (2021.01); **H01M 50/531** (2021.01)

CPC (source: EP KR US)

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Citation (search report)

See references of WO 2021122606A1

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DOCDB simple family (application)

**FR 1914688 A 20191217**; CN 202080091177 A 20201215; EP 2020086234 W 20201215; EP 20824934 A 20201215; JP 2022536575 A 20201215; KR 20227024155 A 20201215; US 202017786367 A 20201215